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**SOUTH GROUNDWATER CONTAMINATION
PLUME REMOVAL ACTION WEEKLY REPORT
AUGUST 7, 1992**

08/07/92

**DOE-FN/EPA
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REPORT**

SOUTH GROUNDWATER CONTAMINATION PLUME REMOVAL ACTION

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WEEKLY REPORT

August 7, 1992

Part 1 - Alternate Water Supply

The U.S. Army, Corps of Engineers, Washington, D.C., submitted the Condemnation Packages to the U.S. Department of Justice, Office of the Attorney General, on August 5, 1992. The contractor has been demobilized until August 28, 1992, pending condemnation of remaining properties.

Part 2 - Pump and Discharge

Package 2A (Discharge Pipeline): A Best Management Practice (BMP) action will be implemented for retrieval of additional contaminated rubble at the Great Miami River Outfall Area. This material was discovered during construction excavation activities. Construction activities in the affected area have been discontinued and redirected. The impact to Package 2B1, Outfall Cofferdam schedule will be evaluated once the extent of the retrieval action is known. Manhole 183B construction, which has been impacted by this material, has been relocated upstream approximately 20 feet to allow construction of Package 2A to proceed.

Certified-for-Construction drawings for Package 2B2 (Dissolved Oxygen) have been received and signed off.

Bids for Packages 2C (Well Field) and 2D (Test Well) are due by August 31, 1992 and August 26, 1992, respectively.

Part 3 - Installation and Operation of an Interim Advanced Wastewater Treatment (IAWT) system to reduce uranium contaminant loading to the Great Miami River to a level less than 1,700 pounds per year

IAWT - Stormwater Retention Basin (SWRB)

The IAWT (SWRB) unit was brought on line and successfully treated stormwater. However, this treated stormwater was unable to be discharged to Mahole 175 for discharge to the Great Miami River (GMR). In order to operate within the National Pollution Discharge Elimination System (NPDES) limits for Manhole 175, the pH of the water discharged to the GMR must be within the range of 6.5 to 9.0. Due to the presence of residual hydrochloric acid in the Dowex 21 K ion exchange resin, the resin needed to be flushed for an extended period. In order to accomplish this, treated stormwater from the SWRB was returned to the SWRB. This process will continue until the ion exchange resin is flushed and an acceptable pH is measured at the discharge. Additionally, treatment of stormwater was discontinued after a large storm event raised the level of suspended solids in both chambers of the SWRB. The operating procedure for the SWRB requires that 24 hours of settling time be allowed prior to pumping

water from the basin. Treatment of SWRB in a recycle mode will continue after sufficient settling time has elapsed, and discharge to Manhole 175 will commence when the IAWWT (SWRB) discharge meets the NPDES pH criteria.

IAWWT - Bionitrification/Effluent Treatment System (BDN/ETS)

The IAWWT (BDN-ETS) unit was brought on line and was successfully treating wastewater and discharging to Manhole 175 until operational difficulties were experienced. The ion exchange vessels are apparently clogging with fine particulate matter that is able to pass through the upstream bag filter system. A task team consisting of representatives from Utilities, Operable Unit 5, Parsons, and Engineering was assembled and has defined a preliminary plan to address the problem.

Part 5 - Groundwater Modeling and Geochemical Investigation

Hydropunching activities continue.

General

Enclosed is the property access schedule outlining the latest easement acquisition.

SOUTH GROUNDWATER CONTAMINATION PLUME - PROPERTY ACCESS STATUS/SCHEDULE

07-Aug-92

Legend: S - Schedule DOE - Dept of Energy
F - Forecast COE - US Army Corps of Engineers
A - Actual

PART 1 - ALTERNATE WATER SUPPLY

PROPERTY/INTEREST	RIGHT-OF-ENTRY SURVEY/EXPLOR.	RIGHT-OF-ENTRY CONSTRUCTION	COMMENTS
Rowe & Rowe, Trustees (Mandery)	Complete	Denied, 3/06/92 S, 8/27/92 F	Secretary of Energy has approved condemnation packages,
Lienesch, Frank	Denied ----->	Denied, 3/06/92 S, 8/27/92 F	Packages have been transmitted from DOE-HQ to Corps of Engineers.
Unknown Owner	----->	3/06/92 S, 8/27/92 F	COE submitted the packages to the Dept of Justice on August 5.
Burton, Clayton & Rose Ann	Complete	Complete	Accepted Easement Offer.
Roy, Clarence	Complete	Complete	Accepted Easement Offer.
CSX Realty	Complete	Complete	Negotiating easement agreement.
Texas Gas & Transmission	Complete	Complete	Indefinite right-of-entry.
Albright & Wilson	Complete	Complete	Perpetual easement not required.
County Roads	Not Required	Not Required	Permit required prior to construction, obtained by construction contractor.

PART 2, Pkgs 2A/2B - DISCHARGE PIPELINE & OUTFALL TO GREAT MIAMI RIVER

PROPERTY/INTEREST	RIGHT-OF-ENTRY SURVEY/EXPLOR.	RIGHT-OF-ENTRY CONSTRUCTION	COMMENTS
Knollman Farms (S of Willey Rd)	Complete	Complete, 6/05/92 A	Negotiations complete, Accepted Easement and License Offer.
Knollman Farms (E of RT 128)	Complete, 6/05/92 A	Complete, 6/05/92 A	Negotiations complete, Accepted License Offer.
Knollman Farms (W of RT 128)	Complete	Complete, 6/05/92 A	Negotiations complete, Accepted License Offer.
Cincinnati Gas & Electric	3/12/92 S, 7/20/92 A	3/12/92 S, 7/20/92 A	Agreement signed CG&E management.
Mid-Valley Crude Oil Co.	Not Required	Not Required	Notification sent to Mid-Valley.
County Roads	Not Required	Not Required	Permit required prior to construction, obtained by construction contractor.

PART 2, Pkgs 2C/2D - WELLFIELD & TEST WELL

PROPERTY/INTEREST	RIGHT-OF-ENTRY SURVEY/EXPLOR.	RIGHT-OF-ENTRY CONSTRUCTION	COMMENTS
Albright & Wilson	5/22/92 S, 8/14/92 F	5/22/92 S, 8/14/92 F	Negotiations in progress...seeking right-of-entry prior to easement agreement.
Delta Steel	Denied ----->	Denied, 5/22/92 S, 12/31/92 F*	COE has replied to Delta Steel response on Just Compensation letter.
CSX Transportation (RR) and CSX Realty	5/22/92 S, 6/24/92 A	5/22/92 S, 6/24/92 A	COE to initiate condemnation by August 18 if Delta Steel followup response dictate
Weber, Earl	5/22/92 S, 8/14/92 F	5/22/92 S, 8/14/92 F	Negotiating easement agreement.
Knollman Farms (new)		Complete, 6/05/92 A	Negotiations in progress...awaiting report from owner - contracted appraisal.
Harrison Poured Foundations (new)		7/23/92 A	Negotiations complete, Accepted License Offer.
Texas Gas & Transmission		8/31/92 F	Agreement signed by owner, sent to DOE-OR Realty.
CSX Realty (new)		8/31/92 F	Negotiations in progress.
			Negotiations in progress.

PART 5 - GROUNDWATER MODELING/GEOCHEMICAL INVESTIGATION

PROPERTY/INTEREST	RIGHT-OF-ENTRY HYDROPUNCHING	RIGHT-OF-ENTRY SOIL VAPOR SURVEY	RIGHT-OF-ENTRY PIEZOMETER(S)
Weber, Earl	Expires 8/30/92	Expires 8/30/92	Expires 11/20/94
Harrison Poured Foundations	Expires 9/05/92	Expires 9/05/92	** Agreement remailed 5/18/92
Albright & Wilson	N/A	N/A	** Requested 12/03/91 (Revision of existing agreement)
CSX Realty	Expires 7/24/93	N/A	** Requested 12/13/91 Awaiting signed agreement from owner
Ruetgers Chemical	N/A	** Requested 12/13/91	Expires 1/10/97
Evers, Mary	N/A	Expires 9/04/92	N/A
Schiering, William	N/A	Expires 10/03/92	** Agreement remailed 6/25/92, awaiting signed agreement from owner.
Buckeye Foundry	N/A	N/A	Expires 3/25/97

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